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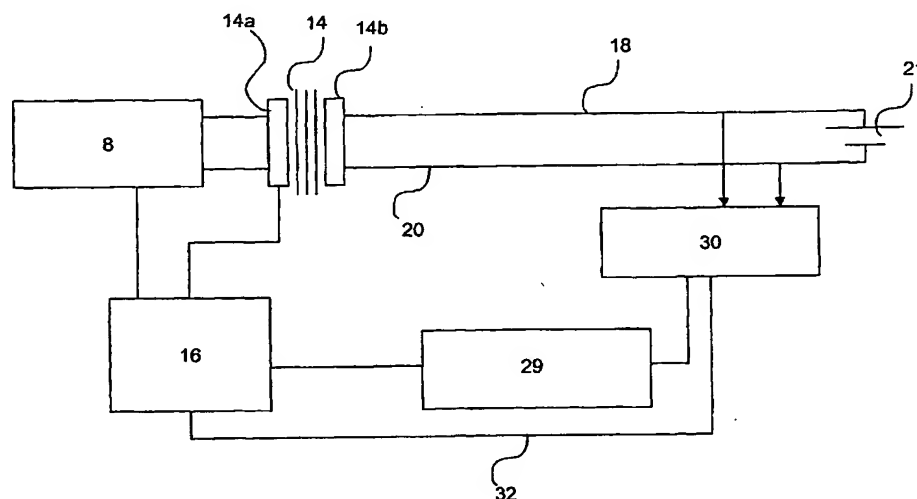
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(54) Title: **METHODS AT A BATTERY CHARGER**



(57) Abstract: A method for charging a battery at a battery charger comprising connection means for connection to the terminals of a battery to be charged, means for detecting a voltage over the terminals of a connected battery, and control means. The method comprises the steps of initiating a burst cycle, wherein a plurality of consecutive voltage burst are applied to a connected battery to be charged, each burst successively lowering the internal resistance of the battery and initiating a charging cycle to charge the connected battery when said burst cycle has been terminated. Furthermore, a method for maintenance charging a battery at a battery charger including detecting a voltage over the connected battery; maintaining the voltage over the battery at a predetermined level for a predetermined period of time; monitoring a battery capacity parameter when said predetermined period of time has elapsed; and applying at least one voltage pulse if said parameter falls below a predetermined threshold level.